WHAT IS CLAIMED IS:

- 1. A standardized data representation of an object-relational data model, the standardized data representation configured to support an automatic derivation of a dimensional data model that corresponds to the object-relational data model.
- 2. The standardized data representation of claim 1, wherein the standardized data representation enables the object-relational data model to be specified and decorated with metadata so as to support the derivation of the dimensional model.
- 3. The standardized data representation of claim 1, wherein the standardized data representation is configured to be processed by a processing engine that is adapted to autonomously derive the dimensional model.
- 4. The standardized data representation of claim 1, wherein the standardized data representation includes a description of objects and object relationships reflected in the object-relational data model.
- 5. The standardized data representation of claim 1, wherein the standardized data representation includes a description of persistent data store mappings associated with the object-relational data model.

- 6. The standardized data representation of claim 1, wherein the standardized data representation includes a description of at least one focal point that represents a point of analysis indicated in association with data in the object-relational data model.
- 7. The standardized data representation of claim 1, wherein the standardized data representation includes:
 - a description of objects and object relationships reflected in the object-relational data model: and
 - a description of persistent data store mappings associated with the object-relational data model.
- 8. The standardized data representation of claim 7, wherein the standardized data representation further comprises a description of at least one focal point that represents a point of analysis indicated in association with data in the object-relational data model.
- 9. The standardized data representation of claim 1, wherein the standardized representation comprises a description of at least one data element selected from a group consisting of a class from the object-relational data model, a data member associated with a class from the object-relational data model, a

collection of object-relational mappings that specify how data is retrieved from a relational database, a field that uniquely identifies a class from the object-relational data model, an association relationship indicator that identifies a relationship among classes in the object-relational data model, a composition relationship indicator that identifies a relationship among classes in the object-relational data model, and a measure that identifies an interesting numerical value used for generation of the dimensional model.

- 10. A tagged format data schema for representing an object-relational data model, the tagged format data schema being configured to support an automatic derivation of a dimensional data model that corresponds to the object-relational data model.
- 11. The schema of claim 10, wherein the schema includes a tag used to indicate a class in the object-relational data model.
- 12. The schema of claim 10, wherein the schema includes a tag for indicating a data member associated with a class in the object-relational data model.
- 13. The schema of claim 10, wherein the schema includes means for indicating a collection of object-relational mappings that specify how a data member

associated with a class in the object-relational data model can be filled with data retrieved from at least one table in a relational database.

- 14. The schema of claim 10, wherein the schema includes a tag for indicating a key field that uniquely identifies a class included in the object-relational data model.
- 15. The schema of claim 10, wherein the schema includes a tag for indicating a name field that uniquely identifies an instance of a class included in the object-relational data model.
- 16. The schema of claim 10, wherein the schema includes a tag for indicating an association relationship among multiple classes in the object-relational data model.
- 17. The schema of claim 10, wherein the schema includes a tag for indicating a composition relationship among multiple classes in the object-relational data model.
- 18. The schema of claim 10, wherein the schema includes a tag for indicating a measure, a measure being an interesting numerical value used for generation of the dimensional model.

- 19. The schema of claim 10, wherein the schema enables the object-relational data model to be specified and decorated with metadata so as to support the derivation of the dimensional model.
- 20. The schema of claim 10, wherein the schema is configured to be processed by a processing engine that is adapted to autonomously derive the dimensional model.
- 21. The schema of claim 10, wherein the schema includes a description of objects and object relationships reflected in the object-relational data model.
- 22. The schema of claim 10, wherein the schema includes a description of persistent data store mappings associated with the object-relational data model.
- 23. The schema of claim 10, wherein the schema includes a description of at least one focal point that represents a point of analysis indicated in association with data in the object-relational data model.
- 24. The schema of claim 10, wherein the schema includes:

- a description of objects and object relationships reflected in the object-relational data model; and
- a description of persistent data store mappings associated with the object-relational data model.
- 25. The schema of claim 24, wherein the schema further comprises a description of at least one focal point that represents a point of analysis indicated in association with data in the object-relational data model.
- 26. The schema of claim 10, wherein the schema comprises a description of at least one data element selected from a group consisting of a class from the object-relational data model, a data member associated with a class from the object-relational data model, a collection of object-relational mappings that specify how data is retrieved from a relational database, a field that uniquely identifies a class from the object-relational data model, an association relationship indicator that identifies a relationship among classes in the object-relational data model, a composition relationship indicator that identifies a relationship among classes in the object-relational data model, and a measure that identifies an interesting numerical value used for generation of the dimensional model.

- 27. An XML data schema for representing an object-relational data model, the XML data schema being configured to support an automatic derivation of a dimensional data model that corresponds to the object-relational data model.
- 28. The schema of claim 27, wherein the schema includes a tag used to indicate a class in the object-relational data model.
- 29. The schema of claim 27, wherein the schema includes a tag for indicating a data member associated with a class in the object-relational data model.
- 30. The schema of claim 27, wherein the schema includes means for indicating a collection of object-relational mappings that specify how a data member associated with a class in the object-relational data model can be filled with data retrieved from at least one table in a relational database.
- 32. The schema of claim 27, wherein the schema includes a tag for indicating a key field that uniquely identifies a class included in the object-relational data model.
- 33. The schema of claim 27, wherein the schema includes a tag for indicating a name field that

uniquely identifies an instance of a class included in the object-relational data model.

- 34. The schema of claim 27, wherein the schema includes a tag for indicating an association relationship among multiple classes in the object-relational data model.
- 35. The schema of claim 27, wherein the schema includes a tag for indicating a composition relationship among multiple classes in the object-relational data model.
- 36. The schema of claim 27, wherein the schema includes a tag for indicating a measure, a measure being an interesting numerical value used for generation of the dimensional model.
- 37. The schema of claim 27, wherein the schema enables the object-relational data model to be specified and decorated with metadata so as to support the autonomous derivation of the dimensional model.
- 38. The schema of claim 27, wherein the schema comprises a description of at least one data element selected from a group consisting of a class from the object-relational data model, a data member associated with a class from the object-relational data model, a collection of object-relational

mappings that specify how data is retrieved from a relational database, a field that uniquely identifies a class from the object-relational data model, an association relationship indicator that identifies a relationship among classes in the object-relational data model, a composition relationship indicator that identifies a relationship among classes in the object-relational data model, and a measure that identifies an interesting numerical value used for generation of the dimensional model.

- 39. An extensible system for supporting generation of dimensional data model, the system comprising:
 - a driver for receiving source data and preprocessing it into a format consistent with a model definition schema; and
 - a processing engine for receiving data formatted to be consistent with the model definition schema, and for generating a corresponding dimensional data model.
- 40. The system of claim 39, wherein the processing engine is a translation engine configured to receive data formatted to be consistent with the model definition schema, and further configured to produce a customized corresponding dimensional data model.